

Substitute Abstract

An interventional procedure simulation system includes a control unit and an interface unit, the control unit communicating with the interface unit to simulate handling of a number of nested instruments simultaneously interfaced by said interface unit and, the instruments being arranged to move and rotated independently of each other and the movements and rotations being propagated to the other instruments. The control unit further includes an instruction set having a first instruction set for handling and processing input from the user, based on the input, generating a second instruction set for controlling the interface, a first data set that has characteristics for the instruments, a second data set that has data on a body part to be stimulated, and a third instruction set for generating control signals relating to an interaction between instruments and a surrounding geometry relating to a part of the simulated body part.